

GHEORGHIU, N.

"Public inspector for labor protection in the trade-
union group." Reviewed by N. Gheorghiu. Munca sindic
7 no.12:65 D '63.

GHEORGHIU, N.

"Rapid pace, quality work, and low cost price in constructing" by Dorin Constantinescu. Reviewed by N.Gheorghiu. Munca sindic 7 no.12:64 D '63.

GHEORGHIU, N.

"At the Birlad Bearing Plant Club" by Al. N. Tinescu.
Reviewed by N. Gheorghiu. Munca sindic 7 no.12:65 D '63.

BOLEANTU, L.; GEZORGET, D.; FISHER, P.

Experimental study on the stability of removable tower cranes.
Studii tehn Timisoara 10 no.1:175-183 Jan-Feb '61.

GHEORGHIU, N., conf. ing.

Results obtained by the exploitation of networks with two conductors-ground in Rumania (DCP) after eight years of operation and prospects of their development. Energetica Rum 11 no.8:401-416 Ag '63.

1. Adjunct al ministrului Minelor si Energiei Electrice.

HOROVITZ E.; GHEORGHIU, N.

Contributions to measuring the tension of assembling trapezoidal belts. Bul St si Tehn Tim 9 no.1:103-109 Ia-Je '64.

1. Submitted April 24, 1964.

GEORGIN, H., PART 1.

On the testing systems of transmissions by friction with a flexible
element. Sci St si Tehn Tim 9 no.2:399-407 1978 16/.

GHEORGHIU, N., ing.

Impressive achievements meet the 20th anniversary of the
liberation of Rumania. Energetica Rum 12 no. 8:349-351 Ag '64.

1. Deputy Minister of the Ministry of Mines and Electric Power.

GHEORGHIU, Nicolae, conf. ing.

Development of power industry in Rumania. Electrotehnica 10
no.6:198-205 Je '62.

1. Adjunct al Ministrului Minelor si Energiei Electrice.

16.3400

2:53:1
S/044/62/000/002/021/092
0111/0333

AUTHOR: Shevchuk, N.
TITLES: On the asymptotic behavior of solutions of ordinary linear differential equations of second order
PERIODICAL: Referativnyi zhurnal, Matematika, no. 2, 1962, 45, abstract 58202. ("An. ştiinţ. Univ. Iaşi", 1961, Sec. 1, 7, no. 1, 77-84)
TEXT: The equation $u'' + a(x)u' + b(x)u = 0$ is considered. It is assumed that $b(x) \geq 0$ and that there exists a function $\varphi_1(x)$ satisfying the conditions $\varphi_1(x) \leq 0$ and $\varphi_1' + \varphi_1^2 + a(x)\varphi_1 + b(x) \leq 0$ where $b(x)$ and $\varphi_1(x)$ are $\neq 0$ on no interval. It is proved that there exists a fundamental system consisting of two decreasing positive solutions. Conditions are given that all solutions tend to zero for $x \rightarrow +\infty$. Some further analogous questions are considered. Moreover, the author transfers some results to inhomogeneous equations. In the bibliography the author mentions the book of Bellman "Stability theory of solutions of differential equations" (RZh Mat, 1956, 5259), the paper of Opial

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On the asymptotic behavior of . . . 5/044/62/000/002/021/092
0111/0553
(RZh Mat, 1956, 8808) and the paper of the reviewer (RZh Mat, 1960,
2955).
[Abstractor's note: Complete translation.]

Card 2/2

GHEORGHIU, N.

The quality of dwelling constructions on the level of grand tasks.
Munca sindic 6 no.10:11-14 0 '62.

GHEORGHIU, N.

Carrying out the proposals of a Rumanian collective. Munca sindic
6 no.11:20-21 N '62.

GHEORGHIU, Nicolae, conf. ing.

Achievements and tasks in lighting technique. Energetica Rum 11
no.4:141 Ap '63.

1. Adjunct al ministrului Minelor si Energiei Electrice.

GHEORGHIU, N.

On the solutions of ordinary differential equations of the second order. Studii mat Iasi 14, no.1:17-21 '63.

EXCERPTA MEDICA Sec 10 Vol 10/9 Obstetrics Sept 57

1616. GHEORGHIU N. N., ROSENTHAL Z., GĂBREANU C., RODAN O., SĂVEA-
NU J., ŞALER S., BARBU M. and ROMAN I. *Studiul scurtării duratei tra-
valliului prin infiltrații intradermice. (Aplicarea reflexoterapiei în dirijarea
travaliului). The shortening of labour by intradermal infil-
tration with novocaine OBSTET. GINEC. (Bucarest) 1956, 4/3 (209-
220) Graphs 2 Tables 4

Intradermal infiltration with novocaine 3% (10 ml. in the suprasymphyseal region,
creating 5-6 wheels and 10 ml. in the sacrolumbar region) was given to 348 women
in labour. A 2nd group of 100 cases received 1 ml. of atropine 1% and in a group
of 95 cases, novocaine combined with atropine was used. The intradermal infiltra-
tion was applied when the dilatation had progressed to 3 fingers and the membranes
were intact. In this way labour is manifestly shortened by relaxation of the uterine
orifice and by regulation of the contractions. The method has moderate analgetic
results. The intradermal infiltration is a good treatment in cases of cervical dys-
tocia and for the prevention of contractile disorders, especially in cases of early
or premature rupture of the membranes. The infiltrations may be repeated 2-3
times; they constitute an excellent adjuvant of the psycho-prophylactic method.
Coja - Cluj

GHEORGHIU, N.N., assist. prof. ; NICOLIESCU, C.

Osseous transformation of the endometrium. Romanian M. Rev.

3: no. 4: 77-80 Q-D '59.

(ENDOMETRIUM, diseases)

(OSSIFICATION)

GHEORGHIU, C.

Annual Scientific Session of the Agrarian Economy Section of the
Central Institute of Agricultural Research. Probleme econ 18 no.4:
159-161 Ap '65.

40810

R/005/62/000/004/002/002
D015/D105

24,0200

AUTHOR: Gheorghiu, O. C., Engineer

TITLE: A device for measuring permeability under low frequency conditions

PERIODICAL: Telecommunicatii, no. 4, 1962, 171 - 173

TEXT: The author demonstrates the possibility of determining the permeability of ferrite insulating magnetic materials, without coiling a toroidal field-measuring specimen, by introducing it into a coaxial non-resonant cavity, shown in Fig 1, in which D_1 , D_2 and S_1 , and D_3 , D_4 and S_2 are the dimensions of the cavity and those of the specimen, respectively. By connecting a generator to the points A and B, current flows through the walls of the cavity. Between A and B, the cavity produces the resistance R_c and inductance L_c . The impedance can be measured by a Siemens-built Maxwell bridge connected to the cavity through A and B. The cavity impedance changes when the specimen is introduced into the cavity. The contribution of the space occupied by the specimen to the value of the cavity inductance is

$$L_{mo} = 4.6 \times 10^{-7} S_2 \log \frac{D_3}{D_4} \quad (4a)$$

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A device for measuring permeability

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D015/D105

The permeability of a magnetic material may then be determined as follows: first, R_c and L_c are measured by a bridge, then the specimen is introduced into the cavity and R_{cm} and L_{cm} are measured; L_{mo} is calculated by the relation (4a), and finally the permeability by the relations

$$\mu' \simeq \frac{L_{cm} - L_c}{L_{mo}} \quad (\text{since } \mu' \gg 1) \quad (13)$$

and

$$\mu'' = \frac{R_{cm} - R_c}{\omega L_{mo}} \quad (14)$$

The cavity inductance L_c is constant within broad frequency limits. This method can be used up to a frequency at which the inductance starts to vary, since the initially assumed current distribution changes at over 50 Mc. In some cases the inductance bridges permit a compensation of the inductance and the losses

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A device for measuring permeability

R/005/62/000/004/002/002
D015/D105

appearing between the terminals and the inductance to be measured. In such cases R_C and L_C can be omitted and the permeability calculated by:

$$\mu' = \frac{L'_{CM}}{L_{MO}} \quad (13a)$$

and

$$\mu'' = \frac{R'_{CM}}{\omega L_{MO}} \quad (14a)$$

The results obtained were tested by practical experiments, which supplied a good correspondence between the magnetic loss values, μ'' , determined by the cavity method and by the toroidal coil method. The advantage of the cavity method is that coiling of the specimen is not required any more. Very low magnetic loss values, μ'' could not be determined by the bridge on hand. However, in case of a bridge capable of responding to this requirement, the results obtained are generally more accurate than the results obtained by a coiled toroid,

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A device for measuring permeability

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D015/D105

since current distribution in the cavity walls is not affected by the presence of the specimen, whereas loss in the cavity walls is lower than the loss in the specimen. There are 2 figures. The English-language reference reads as follows: D. Polder, Proc. I.R.E., 97, 11, nr. 56, 1950, 246 - 250.

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30585
R/005/60/000/002/001/002
D272/D301

9,1700 (#27)

AUTHOR: Spătaru, Alexandru, Professor, Engineer, Niculescu, Ion, Engineer and Gheorghiu, Octav, Engineer

TITLE: Directive panel antennae

PERIODICAL: Telecomunicații, no. 2, 1960, 51-58

TEXT: The general characteristics of directive panel antennae for radio diffusion on metric waves, radio relays, and radio-astronomy are surveyed, as an introduction to the presentation of the technical details of two directive panel antennae - one operating at 200 Mc/s and used as a television radio relay, and the other operating at 53 Mc/s and used as an emission antenna of a television station - designed by the Laborator central de cercetări de telecomunicații (Central Laboratory of Telecommunication Research). First the fundamental parameters of directive panel antennae - the radiation characteristics, the dipole enter impedance, and the mode of dipole feeding - are analyzed in detail on the basis of theoretical

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D272/D301

Directive panel antennae

cal considerations. The 200 Mc/s antenna was designed to comprise two dipoles, in which the distance between the elements can be varied easily, the fixed dimensions being the length $l_R = 520$ mm, the diameter d of the radiators, and the length c of the reflecting rods. The dipole impedance variation with frequency was determined for different distances between the construction elements, later, on the basis of the results obtained, another antenna was constructed with equal l_R , d , and c , and in which only the distance between the radiators and the reflecting plane can be varied. The curve of dipole impedance variation as function of the frequency indicated that the feeding-symmetrization system can be adapted by simple interpolation between the dipoles and the point of coaxial cable connection of two lines with a characteristic transformer impedance between 240 and 140 ohm. The transformer impedance is determined by a geometrical method which is described, and results in the value 210 ohm. The length of the transformer was determined by means of the Smith diagram to yield 244 mm. Further details are reported on the feeding system which presents three advantages - it offers a

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D272/D301

Directive panel antennae

corresponding adaptation on a large frequency band, it permits easy modification of the nominal impedance and permits good mechanical consolidation of the radiators. The antenna is dismountable and its total weight is 45 kg, measurement performed on it indicating a gain of approximately 7 db. The 53 Mc/s antenna was based on the design of the 200 Mc/s antenna, the dimensions of the construction elements being determined through multiplication by the factor 3.58. The derivation of the various parameters was made by assuming the same dipole-enter impedance and constructing the corresponding Smith diagram. Measurements have shown that the transformer impedance is 72 ohm, and it was found that the transformer can be introduced into the interior of one of the symmetrical line conductors. The antenna consists of a rectangular steel frame which supports both the reflecting rods and the radiators with the respective stems; this antenna too is dismountable. The experiments performed while realizing these two antenna led to several conclusions: The radiation characteristics and the enter impedance are practically constant within a large interval of frequency variation. The mech-

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R/005/60/000/002/001/002
D272/0501

Directive panel antenna

anical construction is relatively simple due to the absence of supporting insulators. Several constructive elements were found to affect strongly the impedance-frequency characteristics of the antenna, of which some, concerned with the feeding system, cannot be taken into accurate account during design; the mode of connecting the dipoles with the feed line is of special importance in this connection. It was found desirable to design the feeding and synchronization systems with easily adjustable or replaceable elements - thus there is no need to know the exact dipole impedance, and the antenna impedance is determined experimentally by means of a line of measurement, calculating the element which is to be reduced or added for improving the adaptation. In this manner the impedance presented by the antenna can be easily modified from 60 ohms to 50 or 70 ohms. There are 14 figures and 7 references: 2 Soviet-bloc and 5 non-Soviet-bloc.

Card 1/1

GHEORGHIU, Octav C.

Study of a Hertzian spectrograph with a single tuned circuit. Studii
cerc fiz 12 no.2:393-426 '61.

1. Institutul de fizica Bucuresti.

(Radio waves) (Spectrograph)

GHEORGHIU, Octav C.

Possibility of determining magnetic permeability at low frequencies with a nonresonant cavity. Studii cerc fiz 13 no.4:639-649 '62.

1. Institutul de fizica, Bucuresti.

GEORGHIU, Octav, C.; ROȘCANU, Emil I.

Study of changing the resonance frequency and the factor of quality due to the introduction of a perturbatory element in a coaxial cavity. Studii cerc fiz 14 nr.4:389-419 '63.

1. Institutul de fizica Bucuresti.

GHEORGHIU, Octavian Em

Georgiu, Octavian Em. Extensions de la monogénéité
sur une classe de fonctions. Com. Acad. R. P. Române
2 (1952), 478-479. (Romanian. Russian and French
summaries)

I-3/1

If $f(z)$, $g(z)$ are complex functions of $z=x+iy$, then f is
said to have a second-order derivative with respect to g
provided that the expression

$$\frac{\Delta^2 f}{(\Delta g)^2} = \frac{f(x+2\Delta x) + f(y+2\Delta y) - 2[f(x+\Delta x) + f(y+\Delta y)] + f(x, y)}{[g(x+2\Delta x) + g(y+2\Delta y) - 2g(x, y)]^2}$$

has a limit as $\Delta \rightarrow 0$; it is shown that a necessary and

sufficient condition for this is that $\partial f/\partial x$ and $\partial f/\partial y$ be
homogenic functions of g in the sense of Fedorov [C.R.
(Dokl.) Acad. Sci. URSS (N.S.) 48 (1945), 389-390; MR
8, 25]. The derivative of order s , as limit of $\Delta^s f/(\Delta g)^s$, also
is discussed, as are the areolar derivative of f with respect
to g , as limit of $\int_0^1 f(z) dg(z) / \int_0^1 dg(z)$; mixed derivatives,
as limits of expressions $\Delta^s f(z, z') / [\Delta g(z) \Delta g'(z')]$; etc.

E. F. Beckenbach (Los Angeles, Calif.).

16
On a Special Class of Linear Partial Differential Equations of the Third Order in
Three Variables 7149: 2
1-FW

Gheorghiu, O. E. Une classe particulière d'équations
linéaires aux dérivées partielles de 3^e ordre, à trois variables
indépendantes. Acad. R. P. Roum. Baza Cerc. Ști.
Timișoara. Stud. Cerc. Ști. 3 (1956), no. 1-2, 17-27.
(Romanian. Russian and French summaries)

47/1
The independent variables are interpreted as the polar
coordinates r, θ, φ in S_3 and the coefficients are assumed
to be entire series in r^2 . Using a method given by N.
Cioranescu the author investigates the conditions for the
existence of a particular solution of a certain form of the
given equation. R. Blum (Saskatoon, Sask.)

Geometrical Objects of the Fractionary Law

7291:

Gheorghiu, O. Em. *Objets géométriques de loi fractionnaire.* Acad. R. P. Romîne. Baza Cerc. Şti. Timişoara. Stud. Cerc. Şti. 3 (1956), no. 3-4, 9-13. (Romanian. Russian and French summaries)

The author considers in X_n a geometrical object $\Omega_k(x^1, x^2, \dots, x^n)$ ($k=1, 2, \dots, N$), which transforms under an allowable change of coordinates $\bar{x}^\alpha = \bar{x}^\alpha(x^1, x^2, \dots, x^n)$ ($\alpha=1, 2, \dots, n$), according to the 'fractionary' law

$$\bar{\Omega}_k(\bar{x}^\alpha) = \frac{\sum_{j=1}^n A_{j+k-1} \Omega_j(x^\alpha) + A_{N+k-1}}{\sum_{j=1}^n A_{j+1} \Omega_j(x^\alpha) + A_1} \quad (k=1, 2, \dots, N),$$

where the indices are taken modulo $N+1$ and the A 's are functions of the $\partial \bar{x}^\alpha / \partial x^i = p_i^\alpha$. He determines in this case the A 's, which turn out to be functions of $p = \det p_i^\alpha$ and depend in addition upon $N+2$ arbitrary constants.

R. Blum (Saskatoon, Sask.)

2
1-FW

ROMANIA/Radio Physics. Radioactive Measurements

I-7

Abs Jour : Ref Zhur - Fizika, No 2, 1959, No 4029

Author : Gheorghiu Octav

Inst : -

Title : Symmetrical Measurement Line for Frequencies on the Order
of 200 Mcs.

Orig Pub : Telecomunicatii, 1958, 2, No 1, 22-26

Abstract : Description of the construction and operating characteristics
of the coaxial measuring line in the range of approximately
200 Mcs.

Card : 1/1

80

GHEORGHIU, O.; MIOC, 7.

A system of functional equations. p. 755.

COMUNICARILE. Bucuresti, Rumania, Vol. 8, no. 8, Aug. 1958.

Monthly List of European Accessions (MEAL) LC, Vol. 8, no. 8, Aug. 1959.

Uncl.

CHERNOCHIN, A.

On the theory of two-component special geometric objects. In Russian. p. 77

REVUE DE MATHÉMATIQUES PURES ET APPLIQUÉES. JOURNAL OF PURE AND APPLIED
MATHEMATICS. Bucaresti, Rumania. Vol. 4, n. 1, 1959.

Monthly List of East European Accessions. (FEAL), LC. Vol. 6, no. 9, ^{Sept.} 1959.
Uncl.

GHEORGHIU, Octavian Em. (Timisoara)

On class of functional equation systems. Bull math Rum
4 no.3/4:139-145'60.

~~GEORGIU, Octavian Em.~~ [Gheorghiu, Octavian Em.]

Geometric objects of the 2d class with regard to the nonholonomic projective group. *Rev math pures* 6 no.1:65-68 '61.

OF.
(EEAI 10:9)

1. Kafedra matematiki Timishoarskogo politekhnicheskogo instituta.

(Geometry) (Mechanics, Analytic) (Groups, Theory of)
(Vector analysis) (Transformations) (Mathematics)

SCHNEIDER, VILHA MARIO

Country: Rumania

Academic Degree: -not given-

Affiliation: -not given-

Source: Bucharest, Comunicarile Academiei Republicii Populare Romine,
Vol XI, No 7, 1961, pp 785-789.

Data: " A Matrix Generalization of a Functional Equation Which Contains
as Particular Case D'Alembert-Poisson's Functional Equation."

Authors:

GHESBORIU, Octavian.

PIOT, Vasile.

CRSPICI, Boris.

GPO 981643

GHEORGHIU, Gheorghe Pet.

SURNAME, Given Names

Country: Romania

Academic Degrees: -not given-

Affiliation: -not given-

Source: Bucharest, Comunicarile Academiei Republicii Populare Romine,
Vol XI, No 7, 1961, pp 791-92.

Date: "Concerning a Matrix Equation."

GPO 521643

GHEORGHIU, Octavian Em.

A matrix equation of the D'Alembert type functional equation.
Bul St si Tehn Tim 7:9-11 '62.

CONFIDENTIAL

Notes: 1. A rectangular function whose coordinates coincide with those of the equations of the Pexider type. But it is John Tinn & Hall, 1978, p. 10, fig. 10.

GHEORGHIU, Octavian Em.

On a system of functional equations. Comunicarile AR 13 no.7:
589-593 J1 '63.

1. Comunicare prezentata de academician M. Nicolescu.

Country : RUMANIA

M

Category: Cultivated Plants. Commercial. Oil-Bearing.
Sugar-Bearing

Abs Jour: RZhDiol., No 11, 1958, No 49063

Author : Olteanu, G.; Gheorghiu, P.

Inst : Inst of Food Research

Title : The Seed Production of Sugar Beets When Sowing in the
Summer to Fall Period.

Orig Pub: Probl. agric., 1957, 9, No 8, 65-72

Abstract: It has been found as a result of experiments,
carried out by the Institute of Food Research in
various parts of the Bucharest county (1952-1956),
that the harvest of sugar beet seeds and their bio-
logical quality is higher in the case of summer
sowing. Sowing was made in the beginning of August

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M-136

Country : BULGARIA
Category: Cultivated Plants Commercial. Oil-Bearing.
Sugar-Bearing.

M

His Jour: RUSBIOL., No 11, 1956, No 49062

distances of 50 cm between the rows and a row space of 18-20 cm. The lowest harvest was obtained with a distance of 70 cm between the rows and of 18-20 cm within the rows. An increase in the inside widths and between the rows produced a higher weight in the single roots, however, the gross yield per hectare decreases. It is necessary to increase the space between the rows to 55-60 cm to assure a correct watering by making furrows of the right size. Strip planting provides the highest sugar beet root yields. -- A.M. Smirnov

Card : 2/2

GEORGIU, P. [Gheorghiu, P.]; DOBRESCU, D. [Dobrescu, D.]

Effect of pantothenic acid and a mixture of globulins and histamine in experimental gastric ulcer. Farm. i toks. 26 no.2:225-227 Mr-Apr '63. (MIRA 17:8)

1. Farmakologicheskaya laboratoriya Bukharestskogo mediko-farmatsevticheskogo instituta (dir. - prof. A. Teytel').

EXCERPTA MEDICA Sec.2 Vol.10/7 Phy.Biochem. July 57

3013. GHEORGHIU P. and STROESCU V. Lab. de Farmacol., I.M.F., Bucu-
rest. Asupra mecanismului transmiterii unei de excitatie la nivelul sinapselor
neuro-efectorii simpatice *Mechanism of transmission of the excitation wave in
the sympathetic neuroeffector synapses* Rev. Fiziol. norm. patol. 1956, 3/4
(467—471) Illus. 2

There is a difference between the hypertension induced by injection of adren-
aline (I) or noradrenaline (II) and that induced by electrical stimulation of
the sympathetic: the former fails to appear in animals receiving an infusion of
potassium permanganate solution, whereas the latter is unaffected by such an
infusion. Possible theoretical explanations for this dissociation of the
sympathetic stimulation and hormonal mechanisms are as follows: (1) The
sympathetic chemical mediator is not a mixture of I and II; (2) sympathetic
stimulation of the effectors is produced by a different, non-chemical, me-
chanism; (3) the rate of oxidation of I and II by permanganate is slower
than the rate of action of these amines when elaborated at the sympathetic
terminals; (4) permanganate is unable to enter the tissues in the form of an
oxidizing agent.

Graur — Bucharest

GHORGHIU, P., Dr.; STROESCU, V., dr.

Anti-fibrillation substances. Med. int., Bucur. 3 no.7:937-943
Nov 56.

1. Lucrare efectuata la Catedra de farmacologie, Fac. de
medicina-Bucuresti.

(CHINCHONA ALKALOIDS, ther. use
auric. & ventric. fibrillation)

(DIGITALIS, ther. use
(SAME)

(PROCAINE, ther. use
(SAME)

(SPARTINE, ther. use
(SAME)

(AURICULAR FIBRILLATION, ther.
chinchona alkaloids, digitalis, procaine & sparteine)

(VENTRICULAR FIBRILLATION, ther.
(SAME)

REPERTORIUM MEDICUM Sec.2 Vol.10/11 Phy.Biochem. Nov 57
GHEORGHIU P.

4946. GHEORGHIU P., STROESCU V. and MANUCHIAN M. Lab. de Farmacol.,
Fac. de Med., Bucuresti. Contributia la studiul actiunii antifibrilante a
procainei. Antifibrillating action of procaine REV.FIZIOL.NORM.
PATOL. 1957, 4/1 (46-54) illus. 4

Extra-systoles, flutter and fibrillation were produced by application of electrodes
to the atria of the rabbit heart, isolated or in situ, and treated by injection of pro-
caine into the jugular vein. On the heart in situ, procaine did not modify the excitab-
ility of the atria but greatly raised the excitation threshold of the ventricles, ir-
respective of whether the electrodes were applied to the atrium or the ventricle. On
the isolated heart, procaine showed an antifibrillatory action on both atrium and
ventricle. It thus appears that the functional power of the sympathetic is greater for

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CONT.

the atria than for the ventricles, as the inefficacy of procaine in atrial fibrillation must be attributed to adrenaline liberated at the sympathetic terminals.

RUMANIA/ Pharmacology and Toxicology--Narcotics

V-1

Abs Jour: Ref Zhur-Biol., No 23, 1958, 107214

Author : Gheorghiu, P., Stroescu, V.

Inst : Not given

Title : On the Ganglionic Blocking Action of Barbamyl

Orig Pub: Fiziol. norm. si patol., 1958, 5, No 2, 133-138

Abstract: Barbamyl introduced intravenously to dogs in a dosage of 10 to 30 milligrams per kilogram (sub-narcotic dose) paralyzes the sympathetic and parasympathetic ganglia. Ganglionic blocking action was studied according to the Perry and Wilson method. --Author's summary.

Card 1/1

SECRET

1. The first section of the "On the International Situation" report is devoted to the situation in the world.
2. The second section of the report is devoted to the situation in the USSR.
3. The third section of the report is devoted to the situation in the USSR.
4. The fourth section of the report is devoted to the situation in the USSR.
5. The fifth section of the report is devoted to the situation in the USSR.
6. The sixth section of the report is devoted to the situation in the USSR.
7. The seventh section of the report is devoted to the situation in the USSR.
8. The eighth section of the report is devoted to the situation in the USSR.
9. The ninth section of the report is devoted to the situation in the USSR.
10. The tenth section of the report is devoted to the situation in the USSR.

(32)

GLENN, F.

- [illegible]

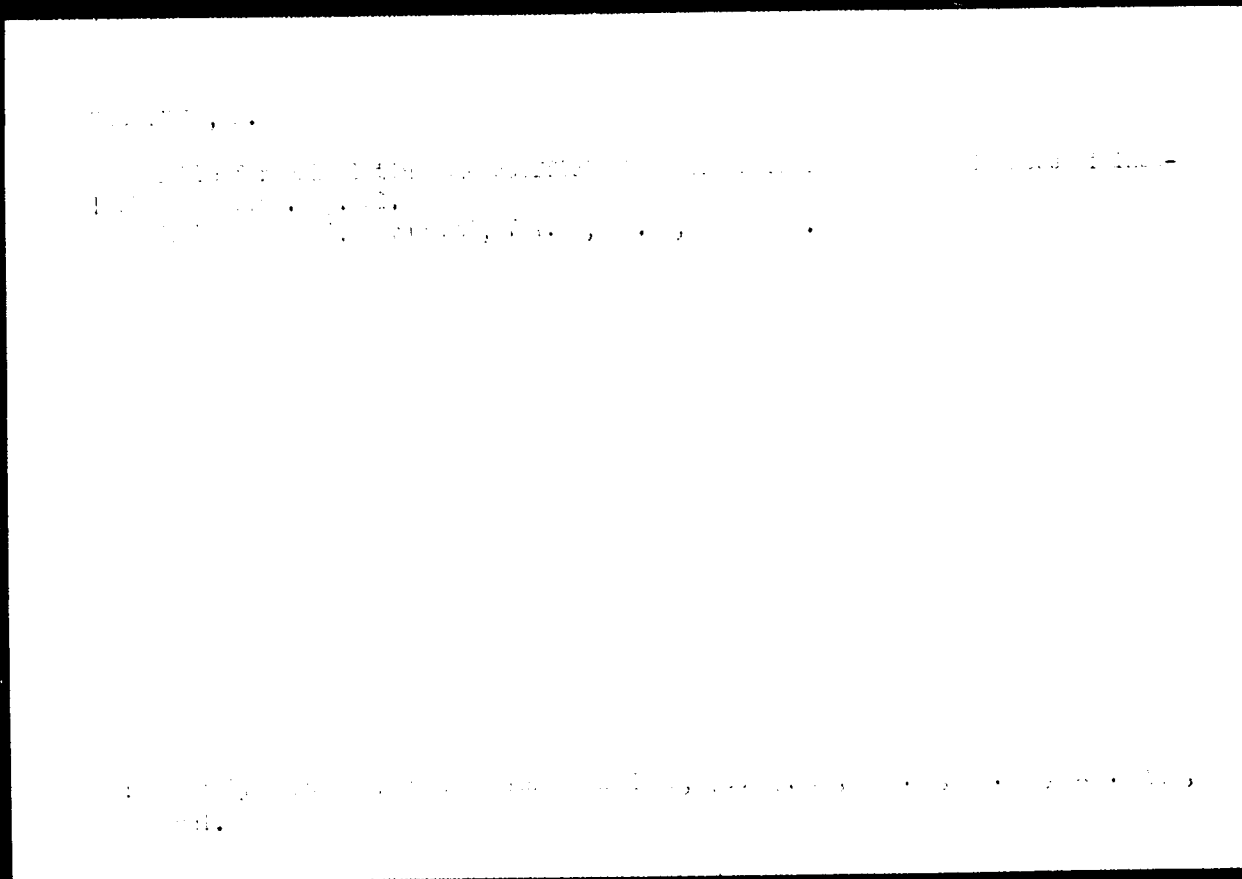
GHEORGHIU, P.

1. "Pharmacology and Its Importance in Pharmacology," Farm. A. GHEORGHIU, Farm. Dator 7, 1951; and Farm. A. GHEORGHIU, pp. 19-20.
2. "Investigations in the Pharmacology of the Antituberculous Action of the New Compounds Having an Antituberculous Action," Dr. V. GHEORGHIU, Farm. D. GHEORGHIU, Farm. Aurora 10, 1951, pp. 1-10.
3. "Contributions to the Study of the Stability of the New Compounds Having an Antituberculous Action," Dr. V. GHEORGHIU, Farm. D. GHEORGHIU, Farm. Aurora 10, 1951, pp. 1-10.
4. "On the Antituberculous Activity of Certain New Compounds Having an Antituberculous Action," Dr. V. GHEORGHIU, Farm. D. GHEORGHIU, Farm. Aurora 10, 1951, pp. 1-10.
5. "Study of the Antituberculous Action of Certain New Compounds Having an Antituberculous Action," Dr. V. GHEORGHIU, Farm. D. GHEORGHIU, Farm. Aurora 10, 1951, pp. 1-10.
6. "Study of Certain Substances for Various Substances with a Prolonged Action," Prof. V. GHEORGHIU, Farm. D. GHEORGHIU, Farm. Aurora 10, 1951, pp. 1-10.
7. "Contribution to the Study of the Effect of Various Substances on the Activity of the New Compounds Having an Antituberculous Action," Dr. V. GHEORGHIU, Farm. D. GHEORGHIU, Farm. Aurora 10, 1951, pp. 1-10.

CIORBARU, Rita; STROESCU, V.; STEVLEA, D.; GHEORGHIU, P.

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 $J_n = \int_0^\infty \varphi(x) [\ln^2 x + (2n+1)^2 \pi^2]^{-1} dx$ are computed by the
 method of residues. Here $\varphi(x)$ stands for a rational
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E. Grosswald (Philadelphia, Pa.)

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Ye. Unguryanu, [Ungureanu, Er.]) Yassy, Rumynskaya Narodnaya
Respublika.

ACCESSION NR: APL038913

R/0003/64/015/004/0218/0219

AUTHOR: Gheorghiu, Tr.; Serban, D.; Vlad, T.; Licaret, C.

TITLE: Decontamination of objects and surfaces contaminated with radioactive substances. II. Experimental part

SOURCE: Revista de chimie, v. 15, no. 4, 1964, 218-219

TOPIC TAGS: Decontamination of object, surface decontamination, radioactive isotope, ^{32}P , ^{51}Cr , ^{60}Co , ^{65}Zn , ^{75}Se , ^{90}Sr , ^{92}Zr , ^{110}Ag , ^{124}Sb , ^{131}I , ^{147}Pm , decontaminant solution, water, ethanol, HCl, citric acid, sodium citrate, ammonium citrate, acetic acid, ligroin, EDTA, H sub 3 PO sub 4, HNO sub 3, H sub 2 SO sub 4, Na sub 3 PO sub 4, K sub 2 Cr sub 2 O sub 7

ABSTRACT: The following materials have been contaminated with 1cm^3 of radioactive solution of 5 to 10 microcurie/ cm^3 and dried in sunlight: glass, tin cans, aluminum foil, iron plates, linoleum, unplasticized polyvinylchloride. 11 radioactive isotopes have been used in different water soluble salts: ^{32}P (Na_2HPO_4), ^{51}Cr ($\text{Cr}(\text{NO}_3)_3$), ^{60}Co ($\text{Co}(\text{NO}_3)_3$), ^{65}Zn (ZnCl_2), ^{75}Se ($\text{Se}(\text{NO}_3)_2$), ^{90}Sr ($\text{Sr}(\text{NO}_3)_2$),

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^{95}Zr ($\text{Zr}(\text{C}_2\text{O}_4)_2$), ^{110}Ag (AgNO_3), ^{124}Sb (SbCl_5), ^{131}I (NaI), ^{147}Pm ($\text{Pm}(\text{NO}_3)_3$). The decontamination has been carried out immediately after drying or 2h, 48, 120 and 360 hours after contamination, by washing and wiping with different reagents (water, ethanol, HCl (3, 10 and 15%), citric acid (2 and 5%), sodium citrate (2 and 5%), ammonium citrate (2 and 5%), H_3PO_4 (1%), CH_3COOH (10%), HNO_3 (3%), H_2SO_4 (1%), ligroin, Na_2PO_4 (1%), citazol (0.5%), EDTA (0.5%), $\text{K}_2\text{Cr}_2\text{O}_7$ (5%), Na_2CO_3 (5%)). The remaining radioactivity has been measured with a TISS radiometer at 5cm. distance from the sample. The results are presented in six ternary diagrams. Original article has two tables and six figures which are included in the abstract.

ASSOCIATION: None

SUBMITTED: 00

DATE ACQ: 09Jun64

ENCL: 10

SUB CODE: GC

NO REF SOV: 000

OTHER: 000

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ACCESSION NR: APL038913

ENCL: 01

Table 1.

Radioactive Isotopes Used For Contamination

Symbol	Isotope	Chemical Compound
A	^{32}P	Na_2HPO_4
B	^{51}Cr	$\text{Cr}(\text{NO}_3)_3$
C	^{60}Co	$\text{Co}(\text{NO}_3)_2$
D	^{65}Zn	ZnCl_2
E	^{75}Se	$\text{Se}(\text{NO}_3)_2$
F	^{90}Sr	$\text{Sr}(\text{NO}_3)_2$

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ENCL: 02

G	^{95}Zr	$\text{Zr}(\text{C}_2\text{O}_4)_2$
H	^{110}Ag	AgNO_3
I	^{124}Sb	SbCl_5
J	^{131}I	NaI
K	^{147}Pm	$\text{Pm}(\text{NO}_3)_3$

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ENCL: 03

Table 2.

Reagents Used For Decontamination

Symbol	Decontaminating Solution
1	Water
2	Ethanol
3	3% HCl
4	10% HCl
5	15% HCl
6	Citric acid -- 2%
7	Citric acid -- 5%
8	Na citrate 2%
9	Na citrate 5%
10	NH ₄ citrate 2%
11	NH ₄ citrate 5%
12	H ₃ PO ₄

Card 5/12

ACCESSION NR: APL038913

ENCL: 04

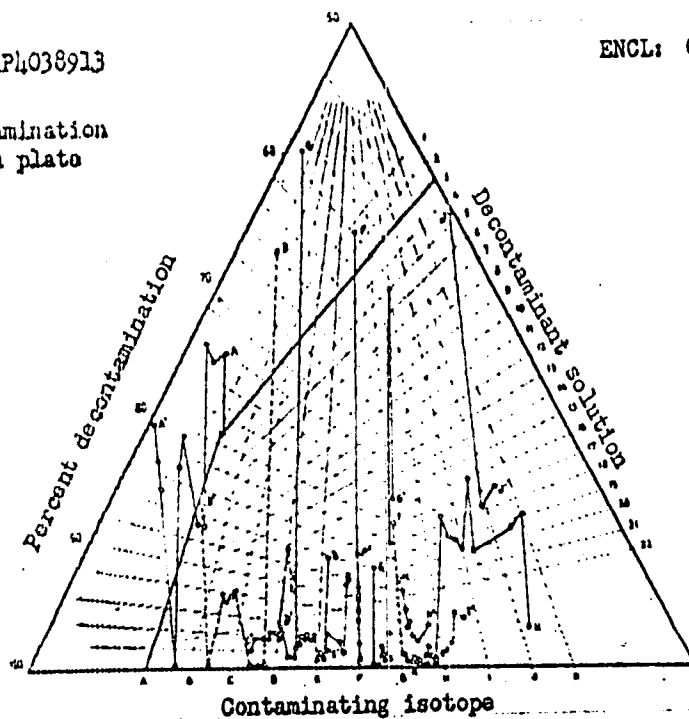
13	CH ₃ COOH
14	HNO ₃
15	H ₂ SO ₄
16	HCl 3% plus Na citrate 2%
17	Ligroin
18	Na ₃ PO ₄
19	Citazol
20	EDTA
21	K ₂ Cr ₂ O ₇
22	Na ₂ CO ₃

Card 6/12

ACCESSION NR: AP4038913

ENCL: 05

Fig. 1. Decontamination
of iron plate

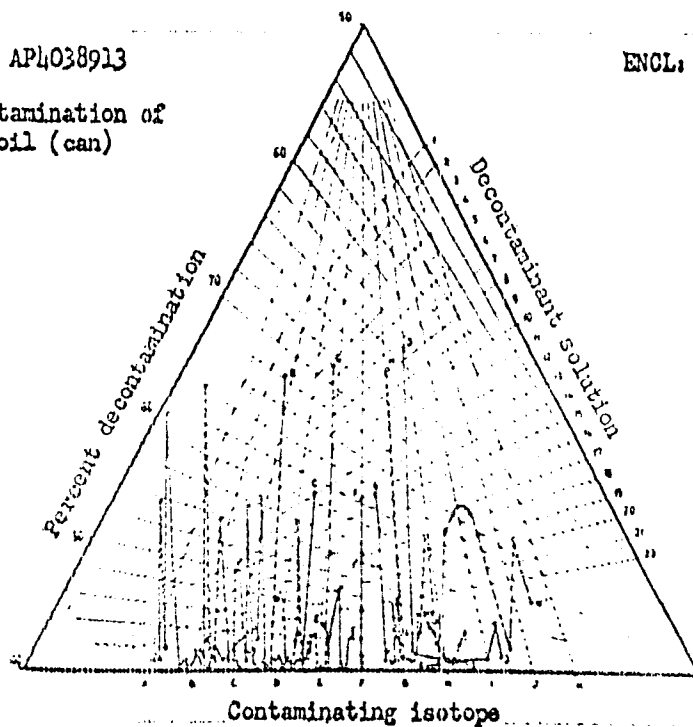


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ENCL: 06

Fig. 4. Decontamination of
tin foil (can)

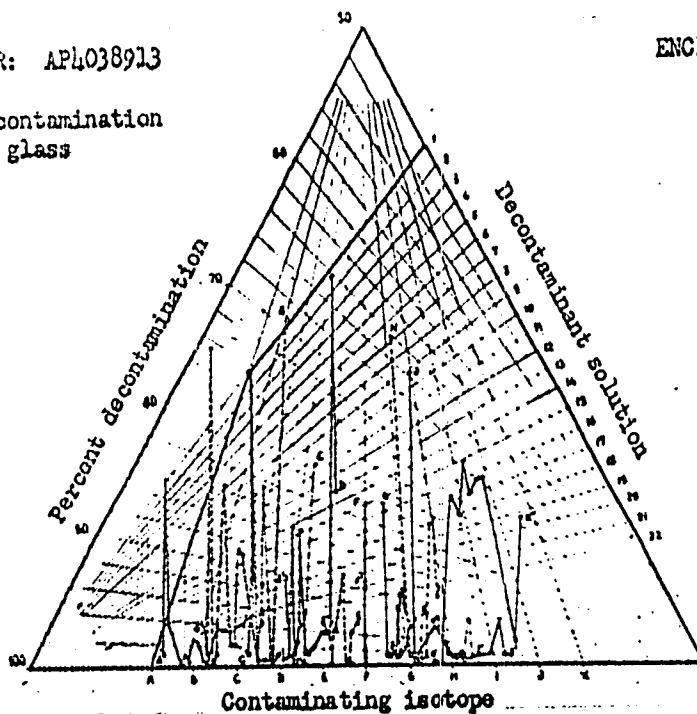


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ACCESSION NR: APL038913

ENCL: 07

Fig. 3. Decontamination
of glass

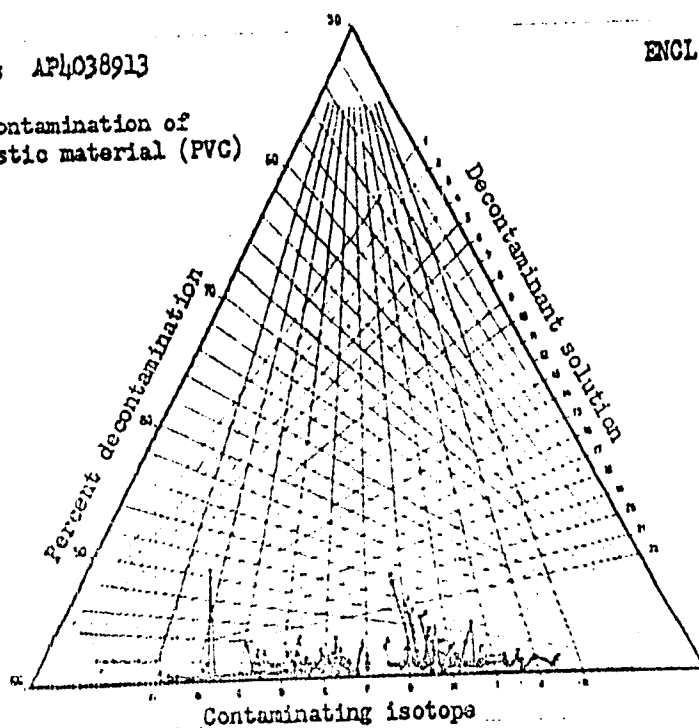


Card 9/12

ACCESSION NR: AP4038913

ENCL: 08

Fig. 6. Decontamination of plastic material (PVC)

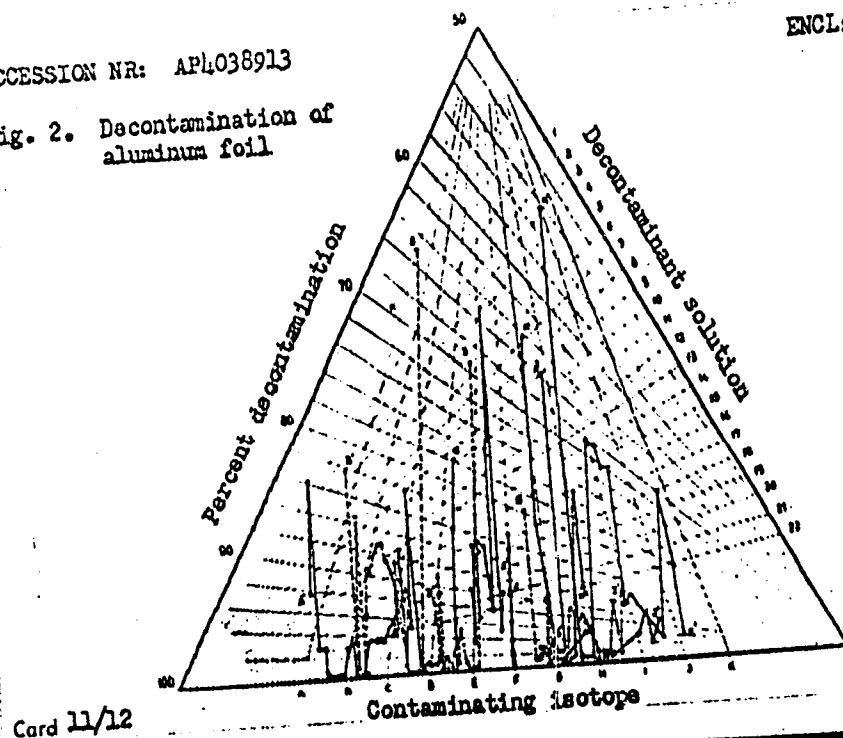


Card 10/12

ACCESSION NR: AP4038913

ENCL: 09

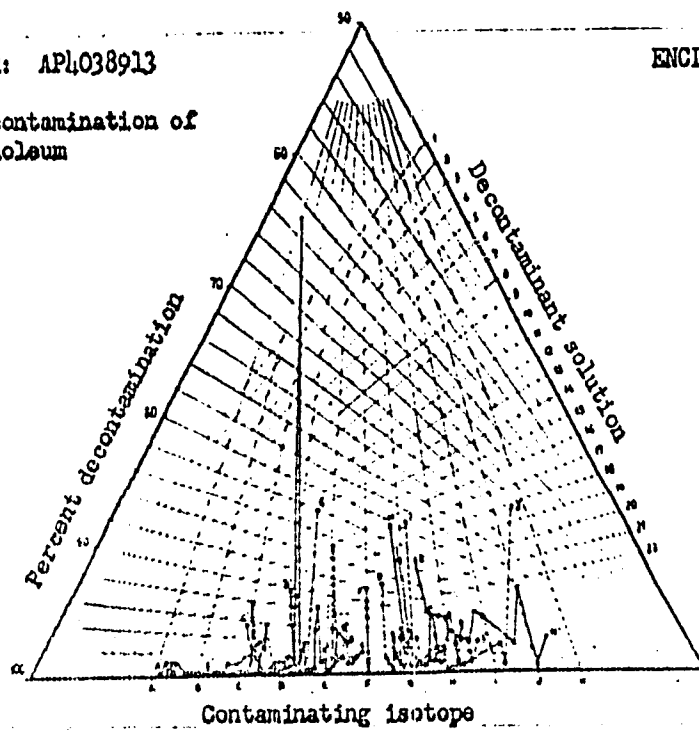
Fig. 2. Decontamination of
aluminum foil



ACCESSION NR: APL038913

ENCL: 10

Fig. 5. Decontamination of linoleum



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BY: . . . FOR: . . .
APPROVED: . . .

has been an occasional allergy to the use of a particular type of protein. It is, of course, not a disease - it is a condition.

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"Brief view of some works on electricity in Rumania and their connection with civil research in the USSR", P. 157. "Issued by the Rumanian Society of Mathematics and Physics, Monthly". (GAZETA MATEMATICA SI FIZICA, SERIA A. Vol. 6, no. 8/9, Aug. / Sept. 1954. Bucuresti, Rumania.)

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RUMANIA/Electricity - Semiconductors

G-3

Abs Jour : Ref Zhur - Fizika, No 8, 1958, No 18276

Author : Gheorghiu Traian D.

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Abstract : See also Referat Zhur Fizika, 1958, No 1, 1314

Card : 1/1